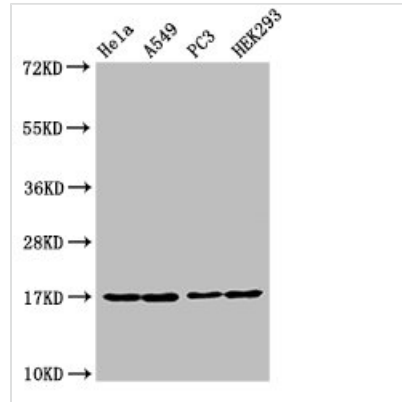




HIST1H3A (Ab-9) Antibody

Product Code	CSB-PA010418OA09nme1HU
Abbreviation	Histone H3.1
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P68431
Immunogen	Peptide sequence around site of Lys (9) derived from Human Histone H3.1
Raised In	Rabbit
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, IF, ChIP; Recommended dilution: WB:1:50-1:500, IHC:1:20-1:200, IF:1:50-1:200
Relevance	Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Purification Method	Antigen Affinity Purified
Isotype	IgG
Clonality	Polyclonal
Alias	Histone H3.1 (Histone H3/a) (Histone H3/b) (Histone H3/c) (Histone H3/d) (Histone H3/f) (Histone H3/h) (Histone H3/i) (Histone H3/j) (Histone H3/k) (Histone H3/l), HIST1H3A; HIST1H3B; HIST1H3C; HIST1H3D; HIST1H3E; HIST1H3F; HIST1H3G; HIST1H3H; HIST1H3I; HIST1H3J, H3FA; H3FL; H3FC; H3FB; H3FD; H3FI; H3FH; H3FK; H3FF; H3FJ
Immunogen Species	Homo sapiens (Human)
Research Area	Epigenetics and Nuclear Signaling
Target Names	HIST1H3A
Image	



Western Blot

Positive WB detected in: HeLa cell acid extracts, A549 cell acid extracts, PC-3 cell acid extracts, HEK293 cell acid extracts

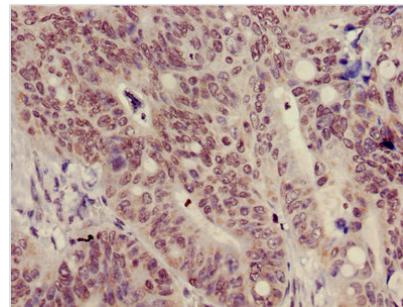
All lanes: HIST1H3A antibody at 1µg/ml

Secondary

Goat polyclonal to rabbit IgG at 1/50000 dilution

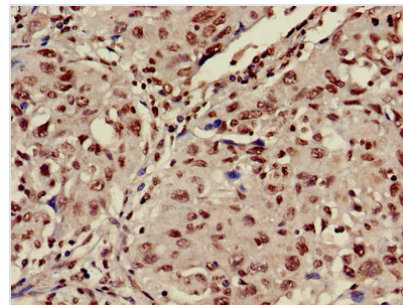
Predicted band size: 16 kDa

Observed band size: 16 kDa



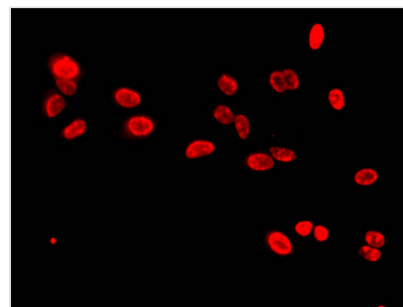
Immunohistochemistry of paraffin-embedded human colon cancer using CSB-

PA010418OA09nme1HU at dilution of 1:100



Immunohistochemistry of paraffin-embedded human lung cancer using CSB-

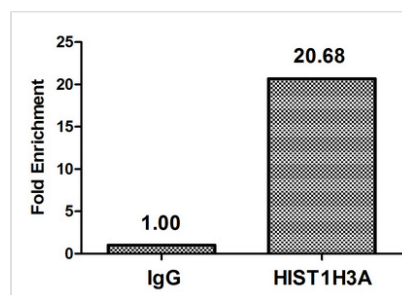
PA010418OA09nme1HU at dilution of 1:100



Immunofluorescent analysis of HeLa cells using

CSB-PA010418OA09nme1HU at dilution of

1:100 and Cy3-conjugated Goat Anti-Rabbit IgG



Chromatin Immunoprecipitation HeLa (4×10^6)

were treated with Micrococcal Nuclease,

sonicated, and immunoprecipitated with 8µg anti-

HIST1H3A (CSB-PA010418OA09nme1HU) or a

control normal rabbit IgG. The resulting ChIP

DNA was quantified using real-time PCR with

primers against the β -Globin promoter.